

```

BBBBBBBBBBBBBB      AAAAAAAAAA      SSSSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
BBBBBBBBBBBBBB      AAAAAAAAAA      SSSSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
BBBBBBBBBBBBBB      AAAAAAAAAA      SSSSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBBBBBBBBBBBBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBBBBBBBBBBBBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBBBBBBBBBBBBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAAAAAAAAAAAAAAAAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAAAAAAAAAAAAAAAAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAAAAAAAAAAAAAAAAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBB      BBB      AAA      AAA      SSS      SSS      RRR      RRR      TTT      TTT      LLL
BBBBBBBBBBBBBB      AAA      AAA      SSSSSSSSSSSSSS      RRR      RRR      TTT      TTT      LLL
BBBBBBBBBBBBBB      AAA      AAA      SSSSSSSSSSSSSS      RRR      RRR      TTT      TTT      LLL
BBBBBBBBBBBBBB      AAA      AAA      SSSSSSSSSSSSSS      RRR      RRR      TTT      TTT      LLL

```

BBBBBBBB	BBBBBBBB	PPPPPPPP	PPPPPPPP	AAAAAA	AAAAAA	FFFFFFFF	FFFFFFFF	SSSSSSSS	SSSSSSSS	BBBBBBBB	BBBBBBBB	DDDDDDDD	DDDDDDDD	EEEEEEEEEE	EEEEEEEEEE	FFFFFFFFFF	FFFFFFFFFF
BB	BB	PP	PP	AA	AA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BB	BB	PP	PP	AA	AA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BB	BB	PP	PP	AA	AA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BBBBBBBB	BBBBBBBB	PPPPPPPP	PPPPPPPP	AA	AA	FFFFFFFF	FFFFFFFF	SSSSSS	SSSSSS	BBBBBBBB	BBBBBBBB	DD	DD	EEEEEEEE	EEEEEEEE	FFFFFFFF	FFFFFFFF
BB	BB	PP	PP	AAAAA	AAAAA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BB	BB	PP	PP	AAAAA	AAAAA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BB	BB	PP	PP	AA	AA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BB	BB	PP	PP	AA	AA	FF	FF	SS	SS	BB	BB	DD	DD	EE	EE	FF	FF
BBBBBBBB	BBBBBBBB	PP	PP	AA	AA	FF	FF	SSSSSSSS	SSSSSSSS	BBBBBBBB	BBBBBBBB	DDDDDDDD	DDDDDDDD	EEEEEEEEEE	EEEEEEEEEE	FF	FF
BBBBBBBB	BBBBBBBB	PP	PP	AA	AA	FF	FF	SSSSSSSS	SSSSSSSS	BBBBBBBB	BBBBBBBB	DDDDDDDD	DDDDDDDD	EEEEEEEEEE	EEEEEEEEEE	FF	FF

....  
....  
....  
....

RRRRRRRR	RRRRRRRR	EEEEEEEEEE	EEEEEEEEEE	QQQQQQ	QQQQQQ
RR	RR	EE	EE	QQ	QQ
RR	RR	EE	EE	QQ	QQ
RR	RR	EE	EE	QQ	QQ
RRRRRRRR	RRRRRRRR	EEEEEEEEEE	EEEEEEEEEE	QQ	QQ
RR	RR	EE	EE	QQ	QQ
RR	RR	EE	EE	QQ	QQ
RR	RR	EE	EE	QQ	QQ
RR	RR	EE	EE	QQ	QQ
RR	RR	EEEEEEEEEE	EEEEEEEEEE	QQQQ	QQ
RR	RR	EEEEEEEEEE	EEEEEEEEEE	QQQQ	QQ

This file, BPAFSBDEF.REQ, defines the structure of the FSB.

```
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#### Revision History:

```
1-001 - Received from E.S.E., dated 22-NOV-1979
1-002 - Removed the REQUIRE of BPASTRUCT. JBS 02-DEC-1979
1-003 - Add copyright notice. SBL 11-Mar-1980
```

#### Define FSB structure

#### FIELD

```
fsb$fields =
SET
fsb$l_fsl = [0, L_],      Filespec length
fsb$a_fsa = [4, L_],      Filespec address
fsb$b_prot_real = [8, B_], Prot code is real
fsb$b_file_off = [9, B_], offset to filename
fsb$w_position = [10, Q_], POSITION option value
fsb$b_prot = [12, B_],    Protection code
fsb$w_size = [13, V_],    SIZE option value
fsb$w_blklo = [13, Q_],   LSB of filesize
fsb$b_blkhi = [15, B_],   MSB of filesize
fsb$w_mode = [16, W_],    MODE option value
fsb$w_clust = [18, Q_],   CLUSTERSIZE option value
fsb$b_unit_real = [20, B_], unit # is real
fsb$b_dev_unit = [21, B_], Device unit #
fsb$b_dev_name1 = [22, B_], Device name 1st char
fsb$b_dev_name2 = [23, B_], Device name 2nd char
```



```

fsb$l_stat_bits = [24, L],
fsb$b_node_off = [28, B],
fsb$b_dev_off = [29, B],
fsb$b_prot_off = [30, B],
fsb$b_swit_off = [31, B],
fsb$w_flag_2 = [32, W],
fsb$V_name_seen = [32, V_ (0)],
fsb$V_name_wild = [32, V_ (1)],
fsb$V_name_ques = [32, V_ (2)],
fsb$V_dot_seen = [32, V_ (3)],
fsb$V_ext_seen = [32, V_ (4)],
fsb$V_ext_wild = [32, V_ (5)],
fsb$V_ext_ques = [32, V_ (6)],
fsb$V_ppn_seen = [32, V_ (7)],
fsb$V_proj_wild = [32, V_ (8)],
fsb$V_prog_wild = [32, V_ (9)],
fsb$V_prot_seen = [32, V_ (10)],
fsb$V_def_prot = [32, V_ (11)],
fsb$V_coln_seen = [32, V_ (12)],
fsb$V_dev_seen = [32, V_ (13)],
fsb$V_log_name = [32, V_ (14)],
fsb$V_log_notr = [32, V_ (15)],
fsb$w_flag_1 = [34, W],
fsb$V_cl_seen = [34, V_ (0)],
fsb$V_moro_seen = [34, V_ (1)],
fsb$V_fisi_seen = [34, V_ (2)],
fsb$V_pos_seen = [34, V_ (3)],
fsb$V_name_1 = [34, V_ (8)],
fsb$V_dot_1 = [34, V_ (9)],
fsb$V_ppn_1 = [34, V_ (10)],
fsb$V_prot_1 = [34, V_ (11)],
fsb$V_coln_1 = [34, V_ (12)],
fsb$V_log_1 = [34, V_ (13)],
fsb$V_status = [34, V_ (15)]
TES;

```

## LITERAL

```

fsb$m_size = M_ (0, 24),
fsb$m_name_seen = M_ (0),
fsb$m_name_wild = M_ (1),
fsb$m_name_ques = M_ (2),
fsb$m_dot_seen = M_ (3),
fsb$m_ext_seen = M_ (4),
fsb$m_ext_wild = M_ (5),
fsb$m_ext_ques = M_ (6),
fsb$m_ppn_seen = M_ (7),
fsb$m_proj_wild = M_ (8),
fsb$m_prog_wild = M_ (9),
fsb$m_prot_seen = M_ (10),
fsb$m_def_prot = M_ (11),
fsb$m_coln_seen = M_ (12),
fsb$m_dev_seen = M_ (13),
fsb$m_log_name = M_ (14),
fsb$m_log_notr = M_ (15),
fsb$m_cl_seen = M_ (0),
fsb$m_moro_seen = M_ (1),

```

```

RMS status bits
offset to '...'
offset to '...'
offset to '<'
offset to '/'
'XRB' flagword 2
filename seen
filename was *
filename contained ?
. seen
ext seen
ext was *
ext contained ?
a numeric ppn was seen
proj was *
prog was *
<prot> was seen
default <prot> used
: seen
devicename seen
devicename was logical
logical not xlated
'XRB' flagword 1
/CLU:n specified
/RO or /MO:n specified
/FI:n or /SI:n specified
/POS:n specified
filename seen
. seen
numeric ppn seen
<prot> seen
: seen
logical devicename seen
summary of status

```

```

SIZE field mask
flagword 2 bit masks

```

```

...
...

```

```

...
flagword 1 bit masks
...

```

```
fsb$m_fisi_seen = M_(2),  
fsb$m_pos_seen = M_(3),  
fsb$m_mo_ronly = M_(7),  
fsb$m_name_1 = M_(8),  
fsb$m_dot_1 = M_(9),  
fsb$m_ppn_1 = M_(10),  
fsb$m_prot_1 = M_(11),  
fsb$m_coln_1 = M_(12),  
fsb$m_log_1 = M_(13),  
fsb$m_status = M_(15),  
fsb$k_length = 36;
```

```
! ...  
! ...  
! ...  
! ...  
! ...  
! ...  
! ...  
! ...  
! ...  
! Filespec block length
```

MACRO

```
$fsb def =  
BLOCK [fsb$k_length, BYTE] FIELD (fsb$fields) %;
```

!  
!

End of file BPAFSBDEF.REQ



0019 AH-BT13A-SE  
VAX/VMS V4.0

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